	Search Term
1	JANKE-RALF
2	JANKE-RALF.IN.

	T tal	USPAT	US-PGPU B	EPO	JPO	D rw nt	IBM TDB	USOCR
1	8							
2	8							

	U	1	Document ID	Issu Dat	Pag s	Titl	Curr nt OR
1	☐	☐	US 20020099523 A1	20020725	9	Sensor system with variable sensor-signal processing	702/189
2	☒	☐	US 6424143 B1	20020723	7	Process for monitoring the function of a sensor module and a sensor module to perform the process	324/160
3	☒	☐	JP 2000146991 A	20000526		SENSOR COMPONENT AND MONITORING METHOD FOR FUNCTION OF THE SENSOR COMPONENT	
4	☒	☐	DE 10103722 A1	20020829		TITLE DATA NOT AVAILABLE	
5	☒	☐	DE 10145313 A1	20020725		Sensor device for generation of a control signal from the relative position of two motor vehicle components that move relative to each other has accuracy increased by use of a varying gap between moving control member and magnets	
6	☒	☐	DE 10049071 A1	20020425		TITLE DATA NOT AVAILABLE	

	Curr nt XR f	Retri val Classif	Inv nt r	S	C	P	2	3	4	5
1			Janke, Ralf	☒	☐	☐	☐	☐	☐	☐
2	324/207.12; 324/225		Blossfeld, Lothar et al.	☐	☐	☐	☐	☐	☐	☐
3			BLOSSFELD, LOTHAR et al.	☐	☐	☐	☐	☐	☐	☐
4			BLOSFELD, LOTHAR et al.	☐	☐	☐	☐	☐	☐	☐
5			VOLZ, HANS et al.	☐	☐	☐	☐	☐	☐	☐
6			JANKE, RALF et al.	☐	☐	☐	☐	☐	☐	☐

	Image D c. Di play d	PT
1	US 20020099523	☐
2	US 6424143	☐
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5		☐
6		☐

	U	1	Docum nt ID	Issu Date	Pag s	Title	Curr nt OR
7	☒	☐	DE 19932726 A1	20010208		Magnetic appliance for sensing relative position of two parts of motor vehicle employs two magnets in anti-parallel formation	
8	☒	☐	WO 4640 A1	20000127		INTEGRATED CIRCUIT WITH A SENSOR ELEMENT	

	Current XRef	R trieval Classif	Inv ntor	S	C	P	2	3	4	5
7			VOLZ, HANS et al.	☐	☐	☐	☐	☐	☐	☐
8			BLOSSFELD, LOTHAR et al.	☐	☐	☐	☐	☐	☐	☐

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	S arch T rms
1	ANALYSER
2	ANALYSERS
3	ANALYSES
4	ANALYSIS
5	ANALYTICAL
6	ANALYTICALS
7	ANALYZED
8	ANALYZER
9	ANALYZERS
10	ANGLE
11	ANGLES
12	ANGULAR
13	ANGULARS
14	AUTOMOBILE
15	AUTOMOBILES
16	CAR
17	CARS
18	MAGNETIC
19	MAGNETICS
20	POSITION
21	POSITIONED
22	POSITIONING
23	POSITIONINGS
24	POSITIONS
25	PROGRAM

	Total	USPAT	US-PGPUB	EPO	JPO	D rwent	IBM TDB	USOCR
1	36961							
2	4294							
3	88227							
4	647828							
5	109484							
6	42							
7	255009							
8	99584							
9	13860							
10	1529230							
11	507102							
12	411749							
13	7							
14	240139							
15	74492							
16	325661							
17	77111							
18	1133121							
19	10433							
20	3935894							
21	1770801							
22	788521							
23	1757							
24	1267746							
25	680747							

	S arch Terms
26	PROGRAMMABLE
27	PROGRAMMABLES
28	PROGRAMME
29	PROGRAMMED
30	PROGRAMMEDS
31	PROGRAMMES
32	PROGRAMS
33	SENSED
34	SENSEDS
35	SENSING
36	SENSINGS
37	SENSOR
38	SENSORS
39	TRANSMITTED
40	TRANSMITTEDS
41	TRANSMITTER
42	TRANSMITTERS
43	TRANSMITTING
44	TRANSMITTINGS
45	VEHICLE
46	VEHICLES
47	WIRELESS
48	WIRELESSES

	Total	USPAT	US-PGPUB	EPO	JPO	D rw nt	IBM TDB	USOCR
26	183012							
27	12							
28	28839							
29	235906							
30	1							
31	6274							
32	193934							
33	217851							
34	3							
35	413172							
36	882							
37	1061317							
38	403292							
39	1054149							
40	1							
41	293894							
42	57038							
43	667577							
44	11							
45	1227734							
46	398137							
47	130563							
48	16							

	Search T rms
49	(((((ANALYTICAL OR ANALYZER OR ANALYZED OR ANALYSIS) AND (((PROGRAMMED OR PROGRAMMABLE OR PROGRAM) SAME MAGNETIC) SAME (SENSED OR SENSING OR SENSOR))) AND (WIRELESS OR TRANSMITTER OR TRANSMITTING OR TRANSMITTED)) AND ((ANGULAR OR ANGLE) SAME (POSITIONING OR POSITIONED OR POSITION))) AND (AUTOMOBILE OR CAR OR VEHICLE))

	Total	USPAT	US-PGPUB	EPO	JPO	Derwent	IBM TDB	USOCR
49	53							

	U	1	Document ID	Issue Date	Pag	Title	Current OR
1	☐	☐	US 20030090460 A1	20030515	30	Method and apparatus for providing high bandwidth, realistic force feedback including an improved actuator	345/156
2	☒	☐	US 20030061002 A1	20030327		System and method for measuring short distances	702/159
3	☒	☐	US 20020099523 A1	20020725	9	Sensor system with variable sensor-signal processing	702/189
4	☒	☐	US 20020097635 A1	20020725		Method for target tracking and motion analysis	367/130
5	☒	☐	US 20020075225 A1	20020620	30	METHOD AND APPARATUS FOR PROVIDING HIGH BANDWIDTH, REALISTIC FORCE FEEDBACK INCLUDING AN IMPROVED ACTUATOR	345/156
6	☒	☐	US 20020063225 A1	20020530		Distributed sensing apparatus and method of use therefor	250/559.22
7	☒	☐	US 20020024450 A1	20020228		Data collection and storage device	340/870.16

	Current XRef	Retri val Cla if	Inventor	S	C	P	2	3	4	5
1			Schena, Bruce M. et al.	☒	☐	☐	☐	☐	☐	☐
2			Steinbrecher, Donald H.	☐	☐	☐	☐	☐	☐	☐
3			Janke, Ralf	☐	☐	☐	☐	☐	☐	☐
4			LaRosa, Victor P. et al.	☐	☐	☐	☐	☐	☐	☐
5			SCHENA, BRUCE M. et al.	☐	☐	☐	☐	☐	☐	☐
6			Payton, David W.	☐	☐	☐	☐	☐	☐	☐
7	340/572.1; 340/870.01		Townsend, Christopher P. et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Di play d	PT
1	US 20030090460	☐
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3	US 20020099523	☐
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5	US 20020075225	☐
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7		☐

	U	1	Document ID	Issu Dat	Pag s	Title	Curr nt OR
8	☒	☐	US 20020011567 A1	20020131		Apparatus and method and techniques for measuring and correlating characteristics of fruit with visible/near infra-red spectrum	250/326
9	☒	☐	US 20010056544 A1	20011227		Electrically controlled automated devices to operate, slow, guide, stop and secure, equipment and machinery for the purpose of controlling their unsafe, unattended, unauthorized, unlawful hazardous and/or legal use, with remote control and accountability worldwide	713/200
10	☒	☐	US 6560528 B1	20030506		Programmable internal combustion engine controller	701/115
11	☒	☐	US 6532191 B2	20030311		System and method for target tracking and motion anyalysis	367/124
12	☒	☐	US 6487992 B1	20021203		Dog behavior monitoring and training apparatus	119/712

	Current XR f	Retri val Classif	Inv nt r	S	C	P	2	3	4	5
8			Ozanich, Richard M.	☐	☐	☐	☐	☐	☐	☐
9	180/170		Walker, Richard C.	☐	☐	☐	☐	☐	☐	☐
10	123/406.62; 123/480; 701/101; 701/102; 701/114		Gitlin, Ronald D. et al.	☐	☐	☐	☐	☐	☐	☐
11	342/195; 342/90		LaRosa, Victor P. et al.	☐	☐	☐	☐	☐	☐	☐
12			Hollis, Robert L.	☐	☐	☐	☐	☐	☐	☐

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	U	1	D cument ID	I sue Date	Pages	Titl	Curr nt OR
13	☒	☐	US 6459955 B1	20021001		Home cleaning robot	700/245
14	☒	☐	US 6435407 B1	20020820		Computerized shopping cart with storage and distribution system, for supermarket use	235/383
15	☒	☐	US 6431012 B1	20020813		Torque sensor for a motor vehicle power train	73/862.08
16	☒	☐	US 6408251 B1	20020618		Calibrating a magnetic compass with an angular rate gyroscope and a global positioning system receiver	702/92
17	☒	☐	US 6377041 B1	20020423		Method and apparatus for determining electromagnetic field characteristics within a volume	324/244
18	☒	☐	US 6369952 B1	20020409		Head-mounted personal visual display apparatus with image generator and holder	359/630

	Current XRef	R trieval Classif	Inventor	S	C	P	2	3	4	5
13	318/568.11; 318/568.12; 318/568.16; 318/587; 342/418; 342/457; 700/247; 700/256; 700/258; 700/259		Bartsch, Eric Richard et al.	☐	☐	☐	☐	☐	☐	☐
14	235/431		Fiordelisi, Luigi	☐	☐	☐	☐	☐	☐	☐
15	474/18		Agner, Ivo	☐	☐	☐	☐	☐	☐	☐
16	701/224		Azuma, Ronald Tadao	☐	☐	☐	☐	☐	☐	☐
17	324/207.12; 702/94		Jones, Jr., Herbert R. et al.	☐	☐	☐	☐	☐	☐	☐
18			Rallison, Richard Dennis et al.	☐	☐	☐	☐	☐	☐	☐

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	U	1	Document ID	I u Date	Page	Titl	Curr nt OR
19	☒	☐	US 6341249 B1	20020122		Autonomous unified on-board orbit and attitude control system for satellites	701/13
20	☒	☐	US 6142026 A	20001107		Wheel information estimating apparatus	73/865.9
21	☒	☐	US 6104185 A	20000815		Method and device for operating a position sensor	324/207.2
22	☒	☐	US 6050718 A	20000418		Method and apparatus for providing high bandwidth force feedback with improved actuator feel	700/85
23	☒	☐	US 5991085 A	19991123		Head-mounted personal visual display apparatus with image generator and holder	359/630
24	☒	☐	US 5966680 A	19991012		Motion sickness/vertigo prevention device and method	702/150
25	☒	☐	US 5947051 A	19990907		Underwater self-propelled surface adhering robotically operated vehicle	114/313
26	☒	☐	US 5902934 A	19990511		Phase magnitude signal detector	73/779
27	☒	☐	US 5869752 A	19990209		Engine degradation detector	73/116

	Current XRef	R tri val Cla sif	Inventor	S	C	P	2	3	4	5
19	244/158R; 244/164; 244/176		Xing, Guang Qian et al.	☐	☐	☐	☐	☐	☐	☐
20	701/37; 701/65; 73/146.2		Ohashi, Hideki et al.	☐	☐	☐	☐	☐	☐	☐
21	324/207.12; 324/207.25		Lamm, Hubert et al.	☐	☐	☐	☐	☐	☐	☐
22	345/161; 463/38		Schena, Bruce M. et al.	☐	☐	☐	☐	☐	☐	☐
23	345/8		Rallison, Richard Dennis et al.	☐	☐	☐	☐	☐	☐	☐
24			Butnaru, Hanan	☐	☐	☐	☐	☐	☐	☐
25	114/222; 114/337		Geiger, Michael B.	☐	☐	☐	☐	☐	☐	☐
26	73/116; 73/862.333; 73/DIG.2		Sprague, Fred P. et al.	☐	☐	☐	☐	☐	☐	☐
27	701/101; 73/862.191; 73/862.333; 73/DIG.2		Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐

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	U	1	Docum nt ID	Issue Date	Pages	Title	Curr nt OR
28	☒	☐	US 5764518 A	19980609		Self reproducing fundamental fabricating machine system	700/95
29	☒	☐	US 5759044 A	19980602		Methods and apparatus for generating and processing synthetic and absolute real time environments	434/307R
30	☒	☐	US 5747719 A	19980505		Armed terrorist immobilization (ATI) system	89/1.1
31	☒	☐	US 5708427 A	19980113		Vehicle in-lane positional indication/control by phase detection of RF signals induced in completely-passive resonant-loop circuits buried along a road lane	340/941
32	☒	☐	US 5686672 A	19971111		Stress and load variation detector	73/862.191
33	☒	☐	US 5675094 A	19971007		Load variation detector	73/862.191
34	☒	☐	US 5604441 A	19970218		In-situ oil analyzer and methods of using same, particularly for continuous on-board analysis of diesel engine lubrication systems	324/663
35	☒	☐	US 5557039 A	19960917		Materials evaluator	73/7
36	☒	☐	US 5495774 A	19960305		Magnetostrictive torque sensor air gap compensator	73/862.333

	Curr nt XRef	R trieval Clas if	Inv ntor	S	C	P	2	3	4	5
28	700/117		Collins, Charles M.	☐	☐	☐	☐	☐	☐	☐
29	348/383; 434/365		Redmond, Scott	☐	☐	☐	☐	☐	☐	☐
30	340/574		Bottesch, H. Werner	☐	☐	☐	☐	☐	☐	☐
31	180/168; 340/933; 340/988		Bush, E. William	☐	☐	☐	☐	☐	☐	☐
32	73/116; 73/862.333		Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐
33			Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐
34	324/667		Freese, V, Charles E. et al.	☐	☐	☐	☐	☐	☐	☐
35			Annis, Patricia A. et al.	☐	☐	☐	☐	☐	☐	☐
36	73/118.1		Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐

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	U	1	Document ID	Issue Dat	Pag s	Title	Curr nt OR
37	☒	☐	US 5495576 A	19960227		Panoramic image based virtual reality/telepresence audio-visual system and method	345/420
38	☒	☐	US 5454037 A	19950926		Portable secure-telephone communications module	379/453
39	☒	☐	US 5347456 A	19940913		Intelligent roadway reference system for vehicle lateral guidance and control	701/23
40	☒	☐	US 5313826 A	19940524		Engine misfire, knock or roughness detection method and apparatus	73/118.1
41	☒	☐	US 5287735 A	19940222		Engine misfire or roughness detection method and apparatus	73/116
42	☒	☐	US 5282641 A	19940201		Truck/trailer control system	280/432
43	☒	☐	US 5269178 A	19931214		Engine misfire, knock of roughness detection method and apparatus	73/116

	Curr nt XR f	R tri val Cla if	Inv ntor	S	C	P	2	3	4	5
37			Ritchey, Kurtis J.	☐	☐	☐	☐	☐	☐	☐
38	379/451		Pacella, Angelo M.	☐	☐	☐	☐	☐	☐	☐
39	180/168		Zhang, Wei-bin et al.	☐	☐	☐	☐	☐	☐	☐
40	73/862.333		Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐
41	73/660		Klauber, Robert D. et al.	☐	☐	☐	☐	☐	☐	☐
42	180/165; 188/112A; 280/400; 280/426; 280/442; 280/DIG.14; 280/DIG.9		McLaughlin, Richard J.	☐	☐	☐	☐	☐	☐	☐
43	73/35.04; 73/DIG.2		Vigmostad, Erik B. et al.	☐	☐	☐	☐	☐	☐	☐

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	U	1	D cum nt ID	Is ue Date	Page	Title	Current OR
44	☒	☐	US 5139128 A	19920818		Chute for controlling the motion of a token moving by gravity through a token-receiving device	194/343
45	☒	☐	US 5119916 A	19920609		Sensor for measuring the magnetically responsive characteristics of tokens	194/210
46	☒	☐	US 4974168 A	19901127		Automatic pipeline data collection and display system	702/187
47	☒	☐	US 4799391 A	19890124		Method for surveying fluid transmission pipelines	73/865.8
48	☒	☐	US 4747317 A	19880531		System for surveying fluid transmission pipelines and the like	73/865.8
49	☒	☐	US 4453827 A	19840612		Optical distortion analyzer system	356/520
50	☒	☐	US 4361202 A	19821130		Automated road transportation system	180/168

	Curr nt XRef	R trieval Clas if	Inventor	S	C	P	2	3	4	5
44	194/344		Carmen, Ralph H. et al.	☐	☐	☐	☐	☐	☐	☐
45	194/317		Carmen, Ralph H. et al.	☐	☐	☐	☐	☐	☐	☐
46	348/125; 348/84; 356/241.1; 73/618; 73/622		Marx, Gregory C.	☐	☐	☐	☐	☐	☐	☐
47	33/302		Lara, Pedro F.	☐	☐	☐	☐	☐	☐	☐
48	324/220; 33/304; 33/310; 33/313; 33/544; 73/866.5		Lara, Pedro F.	☐	☐	☐	☐	☐	☐	☐
49	356/125; 356/127		Taboada, John	☐	☐	☐	☐	☐	☐	☐
50	104/88.02; 246/167D; 342/71; 701/118; 701/24		Minovitch, Michael	☐	☐	☐	☐	☐	☐	☐

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	U	1	Docum nt ID	Issu Date	Pag s	Title	Curr nt OR
51	☒	☐	US 4114436 A	19780919		"Strapdown" induction compass transmitter with compensation for heading errors due to the vertical component of the Earth's magnetic field and due to two cycle error during turns and during climbing and diving maneuvers	73/178R
52	☒	☐	US 4028725 A	19770607		High-resolution vision system	348/115
53	☒	☐	US 3751984 A	19730814		COORDINATED PRECISE POSITION POLLUTION DETECTING	73/863.01

	Current XRef	Retri val Cla if	Invent r	S	C	P	2	3	4	5
51	318/633; 33/356; 702/92		Suminsby, John Edward	☐	☐	☐	☐	☐	☐	☐
52	235/411; 340/980; 356/139.03		Lewis, Edgar B.	☐	☐	☐	☐	☐	☐	☐
53	436/181; 73/864.31		Rennie, John Coyne	☐	☐	☐	☐	☐	☐	☐

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51		☐
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